

ABSTRACT OF THE DISCLOSURE

A clamp assembly is provided for interconnecting components in a fluid system. The clamp assembly includes two interconnected clamp members each having a C-shape that form a channel, and a spacer disposed within the channel having a centrally located bore defining a part of a central passageway for the transmission of a fluid. The clamp assembly also includes at least one port member disposed in the clamp member channel adjacent the spacer having a center portion with a clamping portion at one end of the center portion and a connecting portion at the opposite end and a longitudinally extending bore defining part of a central passageway for the transmission of the fluid. The port member includes a flange extending radially from the port member clamping portion having a predetermined shape corresponding to that of the clamp member channel. A plurality of clamping forces from the clamp members are directed radially inwards from points of contact between the flange and the clamp members to provide cross loading.